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**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

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Date: 18-09-2025

**Academic Year:** 2025-2026

**Activity:** One Day “**Industrial Visit**”- National Remote Sensing Centre (NRSC), Hyderabad

### **Consolidated Report**

The Department of Computer Science and Engineering organized an industrial visit to the National Remote Sensing Centre (NRSC), Hyderabad, on 16<sup>th</sup> September 2025. The visit was planned as part of the academic curriculum enrichment program to provide students with practical exposure to real-world applications of Information Technology in space research and remote sensing.

A total of 71 III-Year CSE students and 2 faculty members, along with the coordinator, actively participated in this educational tour.

### **Objectives:**

The main objectives of the industrial visit were:

- To gain insights into the functioning and research activities of NRSC.
- To understand the role of remote sensing, GIS and satellite data processing in real-life applications.
- To bridge the gap between classroom learning and industry practices.
- To expose students to emerging technologies in space research and data analytics.

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**Activities During the Visit:**

**1. Orientation Session:**

Officials at NRSC welcomed the students and gave an introduction about ISRO and NRSC's role in space and earth observation.



**2. Presentation & Demonstration:**

Students attended a technical session where experts explained:

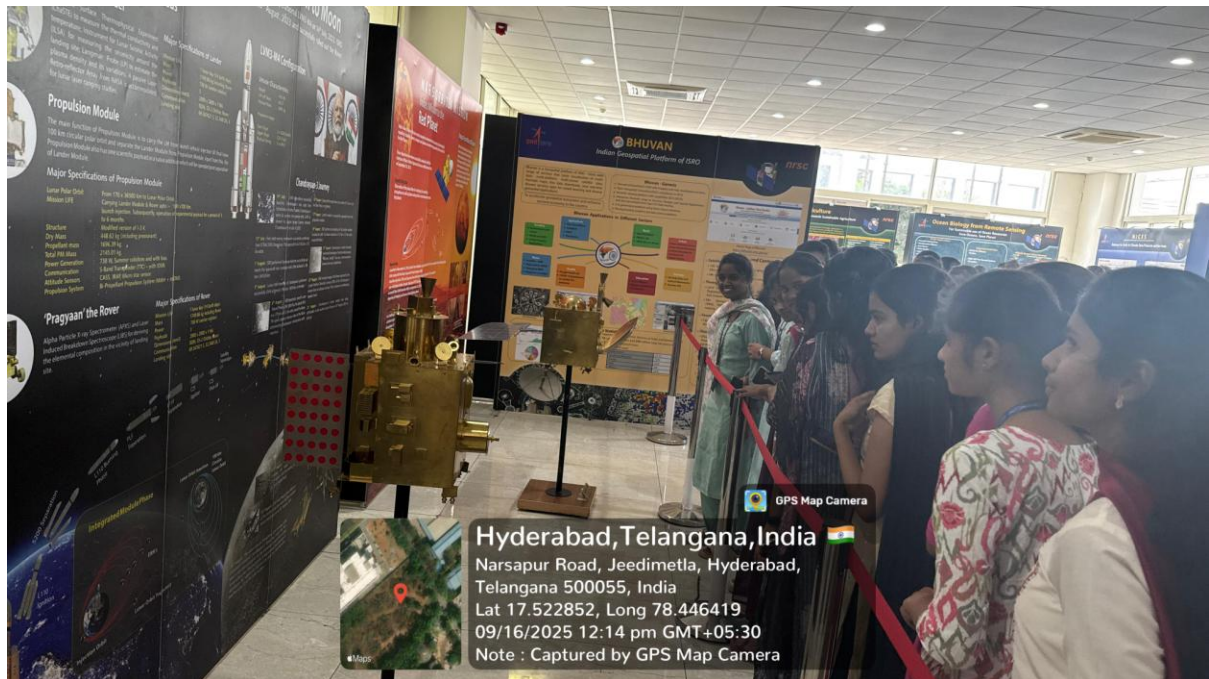
- Satellite data acquisition and processing.
- Applications of remote sensing in agriculture, water resource management, disaster management and urban planning.
- IT infrastructure used in handling large-scale spatial data.

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**3. Laboratory Visit:**

Students visited different laboratories to observe the use of advanced technologies in image processing, GIS systems, and satellite communication.



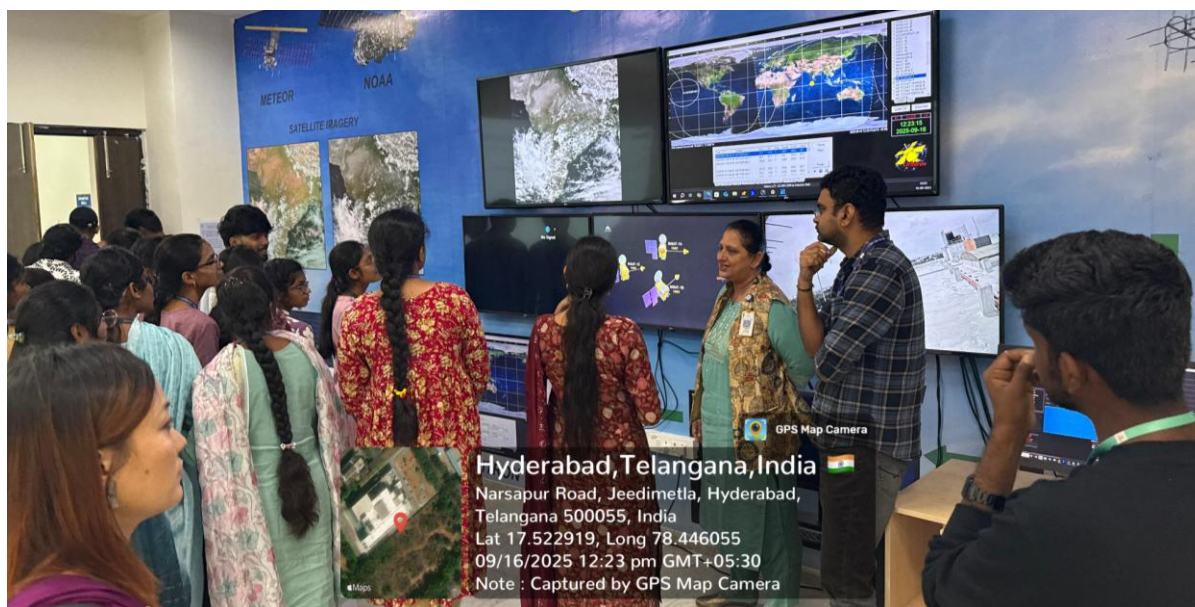


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**4. Interactive Q&A Session:**

Students interacted with NRSC scientists, clarified doubts, and discussed career opportunities in space research and IT applications.



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**Outcome:**

The visit proved to be highly informative and inspiring. Students gained knowledge beyond textbooks, understood real-world IT applications, and were motivated to align their career paths toward innovative technologies in space research, data science, and remote sensing.

**Conclusion:**

The industrial visit to NRSC, Hyderabad, on 16<sup>th</sup> September 2025 was a successful and enriching experience for the III-Year IT Students of NNRG. The Department of CSE extends heartfelt thanks to NRSC officials for their valuable time and guidance.

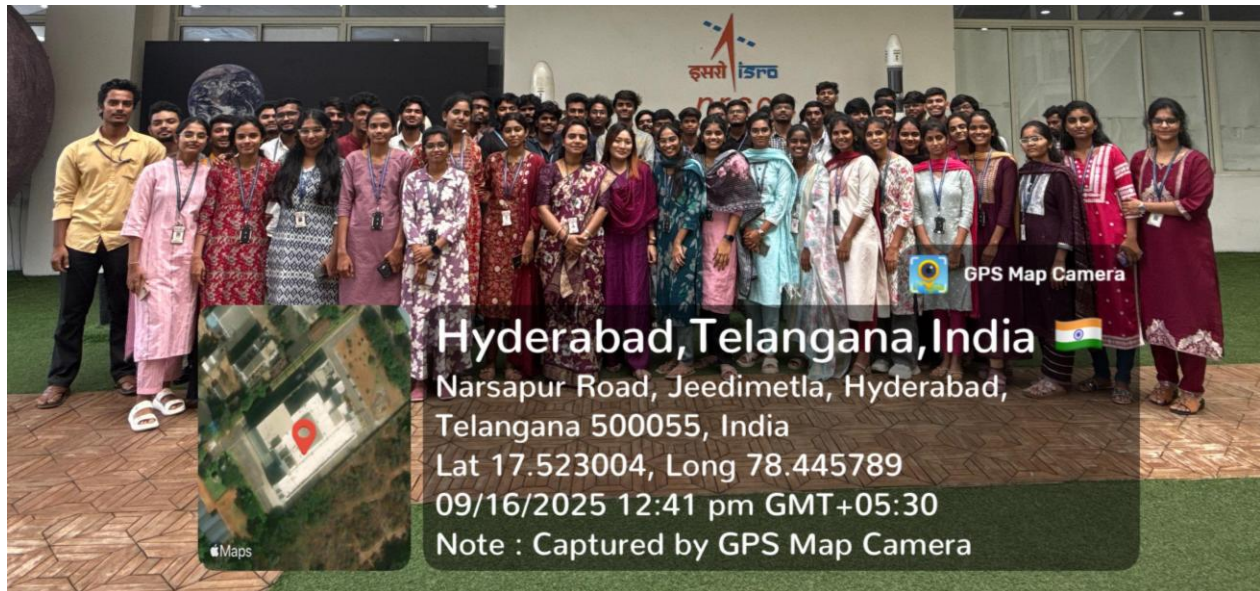
Such visits not only enhance technical knowledge but also inspire students to contribute to India's growth in the field of technology and space research.



**Students and Staff Group Photo with NRSC Team.**



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**Students and Staff Group Photo at NRSC-ISRO**

**FACULTY COORDINATOR**

**HEAD-CSE**